

SATURN Highbay



INDOOR SERIES



PRODUCT OVERVIEW

The **AL TSA Saturn Series HIGHBAY** has a long lifespan of over 50,000hrs, and is the most energy efficient high bay luminaire available on the market. Its excellent heat dissipation and low power consumption makes it perfect for industrial environments. It is IP65 rated with the option to go to IP67. It is easy to install and has a very neat appearance.

The **AL TSA Saturn Series HIGHBAY** uses Nichia 3030 LED chip sets and a Meanwell driver. Daylight harvesting sensors can be incorporated to dim the luminaire according to the ambient light level. Optional motion sensors for further energy savings are available.

Quality comes standard...



Hours
LIFESPAN



IP65
Indoor



Low
MAINTENANCE



Year
WARRANTY



Product
CERTIFICATION

APPLICATIONS

Industrial Areas	Workshops
Commercial Areas	Store Rooms
Warehouses	Logistic Centres

CONSTRUCTION DETAILS

6060 Aluminium Alloy	Anodize Finish
PC Lens	IP65 Ingress Protection
UV/FIRE Resistance	IK08 Impact Resistance

FEATURES

High Reliability LED Chipsets	Anti-Vibration Brackets optional
High Reliability Power Supply	Colour Rendering Index >80
Beam Angle: 40°/60°/90°/120°	Power Factor > 0.95
-20°C ~ 50°C indoors and outdoors	Anti-Corrosion Coating optional
Certified ETL, CETL, DLC, CE, Rohs	5 Year Warranty



Saturn Highbay | Technical Data

MODEL No.:	VOLTAGE (V)	POWER (W)	BEAM ANGLE	CRI	CCT (K)	GLARE RATE (UGR)	IMPACT RATE (IK)
SAT/60/*/**/***	100 - 277V	60	40°/60°/90°/120°	>80	2000-6000	UGR 22	IK08
SAT/80/*/**/***	100 - 277V	80	40°/60°/90°/120°	>80	2000-6000	UGR 22	IK08
SAT/100/*/**/***	100 - 277V	100	40°/60°/90°/120°	>80	2000-6000	UGR 22	IK08
SAT/120/*/**/***	100 - 277V	120	40°/60°/90°/120°	>80	2000-6000	UGR 22	IK08
SAT/150/*/**/***	100 - 277V	150	40°/60°/90°/120°	>80	2000-6000	UGR 22	IK08
SAT/200/*/**/***	100 - 277V	200	40°/60°/90°/120°	>80	2000-6000	UGR 22	IK08
SAT/240/*/**/***	100 - 277V	240	40°/60°/90°/120°	>80	2000-6000	UGR 22	IK08
SAT/300/*/**/***	100 - 277V	300	40°/60°/90°/120°	>80	2000-6000	UGR 22	IK08
SAT/600/*/**/***	100 - 277V	600	40°/60°/90°/120°	>80	2000-6000	UGR 22	IK08

- * **Beam Angle:** 40° (040) / 60° (060) / 90° (090) / 120° (120)
- ** **Colour Temperature:** 2000-3000K (02) / 4000K (04) / 6000K (06)
- *** **Driver:** Meanwell - MNW / Shenzhen - SHS

MECHANICAL DATA

Size:	D261MMxH118MM			D261MMxH172MM		D261MMxH188MM		D300MMxH190MM	
Wattage:	D330MMxH201MM			D330MMxH218MM					
	60W	80W	100W	120W	150W	200W	240W	300W	600W
Operating Temperature:	-20°C ~ 50°C Rising Temperature 45°C								
Housing Material:	6060 Aluminium Alloy With a Anodize Finish								
Lens Material:	PC With Uv Resistance and IK08 Impact Resistant								
Glare Index:	UGR22								
Housing Finish:	Anodize								
IP Rating	IP65								
Mounting Configuration:	Suspended								

ELECTRICAL DATA

Driver:	Meanwell	EMC Applicable Standards IEC61000/EN55015
Electrical Class:	Class 1	Triac Dimmable
Nominal Voltage Range:	100 - 277 VAC	1-10V Control
Power Factor:	>0.95	Dali Control
THD:	15%	Motion Sensor Integrated
Surge Protection:	4KV/6KV	Cable Entry: Top/Side
Battery Backup:	20% 30 - 90 Minutes	Photocell: Integrated

Saturn Highbay | Mounting



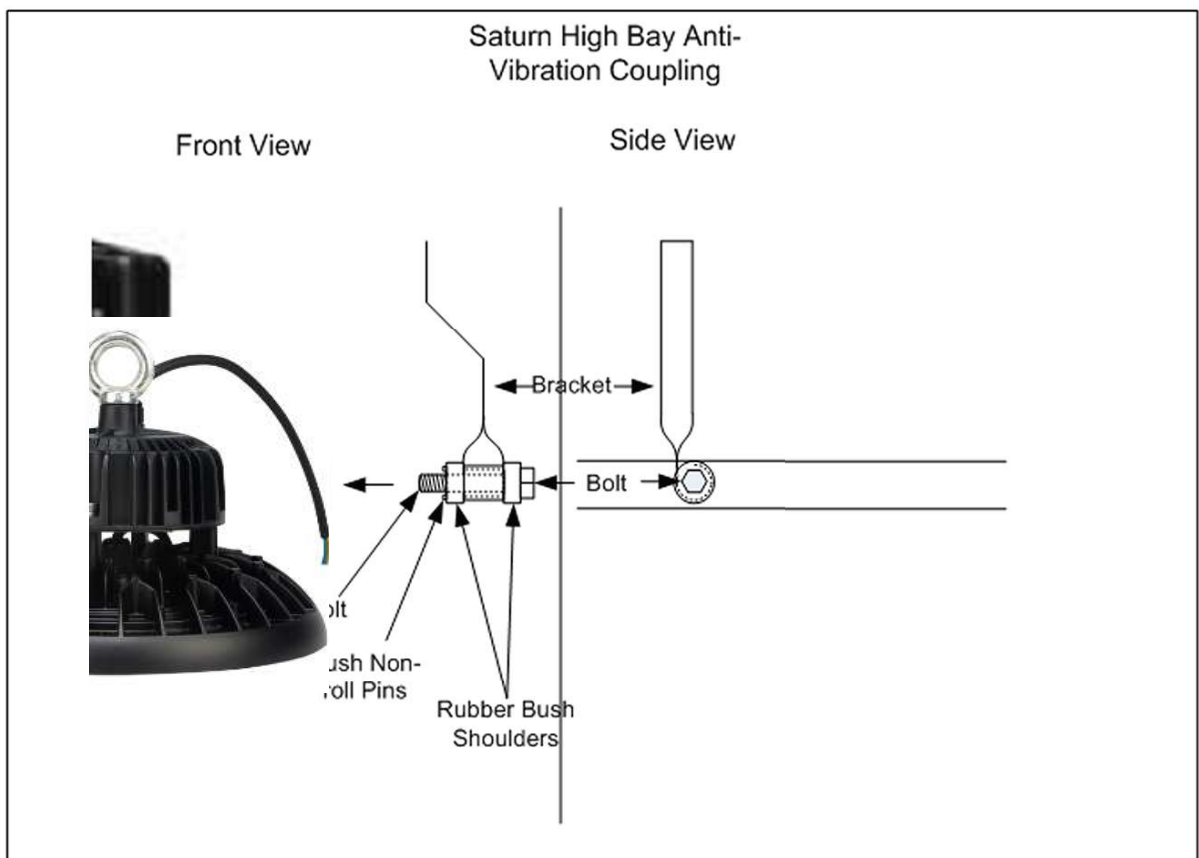
Hook Mount



Pendant Mount



Bracket Mount



Saturn Highbay | Series

Saturn Highbay | Cold Forged Heatsink

FEATURES

MODEL No.:	VOLTAGE (V)	POWER (W)	BEAM ANGLE	LUMENS (LM/W)	CCT (K)	SMD 3030 COB ZF DRIVER MW HBG DRIVER
UFO/100/PCA	100 - 277V	100	60°/90°/120°	130	4000-6000	
UFO/150/PCA	100 - 277V	150	60°/90°/120°	130	4000-6000	
UFO/200/PCA	100 - 277V	200	60°/90°/120°	130	4000-6000	
MODEL No.:	VOLTAGE (V)	POWER (W)	BEAM ANGLE	LUMENS (LM/W)	CCT (K)	
UFO/100/PCS	100 - 277V	100	60°/90°/120°	150	4000-6000	
UFO/150/PCS	100 - 277V	150	60°/90°/120°	150	4000-6000	
UFO/200/PCS	100 - 277V	200	60°/90°/120°	150	4000-6000	

Saturn Highbay | Die Cast Heatsink

FEATURES

MODEL No.:	VOLTAGE (V)	POWER (W)	BEAM ANGLE	LUMENS (LM/W)	CCT (K)	SMD 3030 COB ZF DRIVER MW HBG DRIVER
JC/UFO/60/3.0	100 - 277V	60	60°/90°/120°	130	4000-6000	
JC/UFO/80/3.0	100 - 277V	80	60°/90°/120°	130	4000-6000	
JC/UFO/100/3.0	100 - 277V	100	60°/90°/120°	130	4000-6000	
JC/UFO/120/3.0	100 - 277V	120	60°/90°/120°	130	4000-6000	
JC/UFO/150/3.0	100 - 277V	150	60°/90°/120°	130	4000-6000	
JC/UFO/200/3.0	100 - 277V	200	60°/90°/120°	130	4000-6000	
JC/UFO/240/3.0	100 - 277V	240	60°/90°/120°	130	4000-6000	
MODEL No.:	VOLTAGE (V)	POWER (W)	BEAM ANGLE	LUMENS (LM/W)	CCT (K)	SMD 2835 COB ZF DRIVER MW HBG DRIVER
JC/UFO/60/3.0	100 - 277V	60	60°/90°/120°	150	4000-6000	
JC/UFO/80/3.0	100 - 277V	80	60°/90°/120°	150	4000-6000	
JC/UFO/100/3.0	100 - 277V	100	60°/90°/120°	150	4000-6000	
JC/UFO/120/3.0	100 - 277V	120	60°/90°/120°	150	4000-6000	
JC/UFO/150/3.0	100 - 277V	150	60°/90°/120°	150	4000-6000	
JC/UFO/200/3.0	100 - 277V	200	60°/90°/120°	150	4000-6000	
JC/UFO/240/3.0	100 - 277V	240	60°/90°/120°	150	4000-6000	

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Saturn Highbay | High Power

FEATURES

MODEL No.:	VOLTAGE (V)	POWER (W)	BEAM ANGLE	LUMENS (LM/W)	CCT (K)	SMD 3030 COB ZF DRIVER MW HBG DRIVER
UFO/300/PCA	100 - 277V	300	60°/90°/120°	140	4000-6000	
UFO/400/PCA	100 - 277V	400	60°/90°/120°	140	4000-6000	
UFO/600/PCA	100 - 277V	600	60°/90°/120°	140	4000-6000	

MODEL No.:	VOLTAGE (V)	POWER (W)	BEAM ANGLE	LUMENS (LM/W)	CCT (K)	SMD 2835 COB ZF DRIVER MW HBG DRIVER
UFO/300/THERMINAL	100 - 277V	300	60°/90°/120°	160	4000-6000	
UFO/400/THERMINAL	100 - 277V	400	60°/90°/120°	160	4000-6000	
UFO/600/THERMINAL	100 - 277V	600	60°/90°/120°	160	4000-6000	

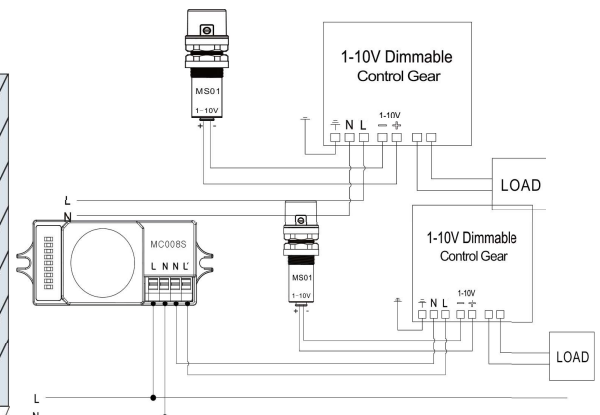
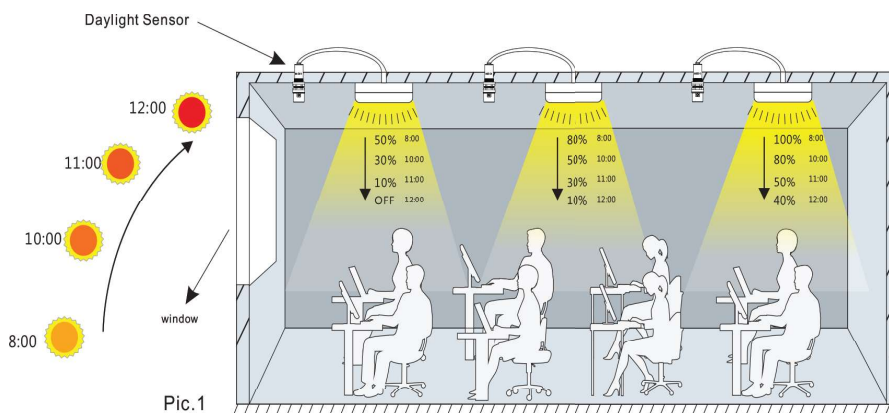
CONTROL OPTIONS

DAYLIGHT HARVESTING SENSOR

- Provides energy saving without sacrificing required light level
- Connects to 1-10V Interface.
- Automatically adjusts artificial light to Match ambient light

MICROWAVE MOTION SENSOR

- Built-In Day/Night Control
- Dimming function when no movement



Saturn Highbay

DRIVER DATA

Featuring dual mode constant voltage and constant current output and built-in Power Factor Correction as well as surge protection up to 10kV. The standard driver operates from 90-295VAC with other voltages on offer.

With the fanless design and efficiencies of up to 93%, the entire series is able to operated with case temperatures from -40°C up to +90°C.

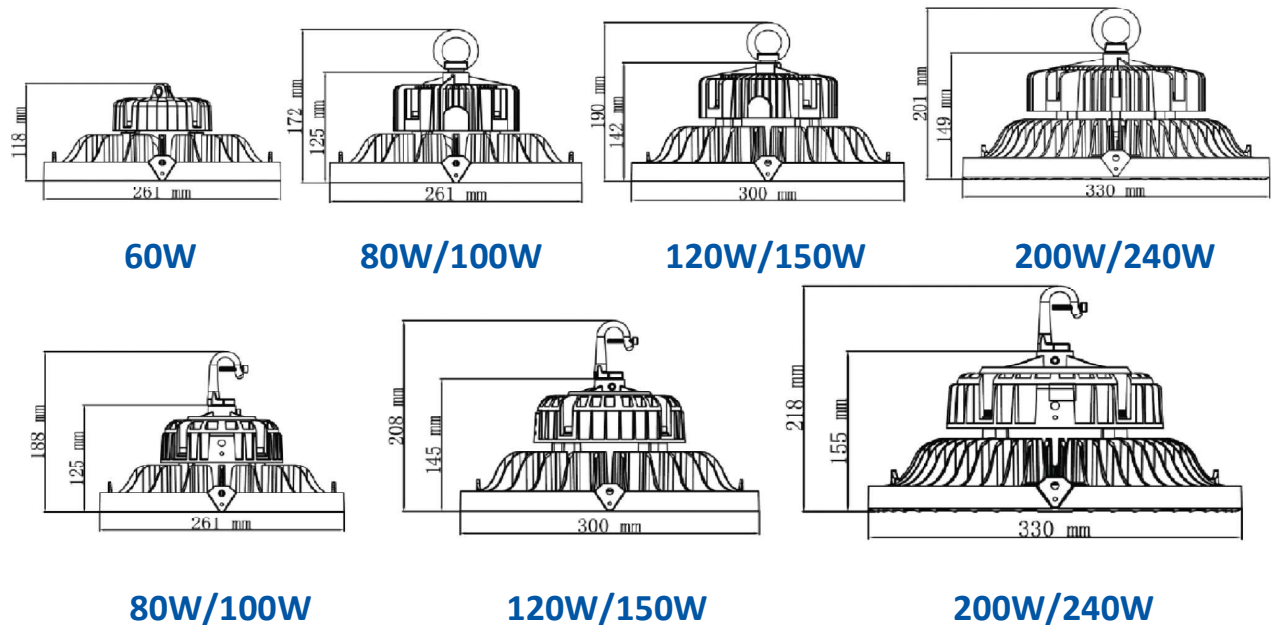
The IP67 ingress protection level allows this series to be used in both indoor and outdoor applications.

Offering a typical lifetime of 50 - 100 000hrs and various dimming methodologies, this range of drivers are exceptionally suited for optimal design flexibility for any LED lighting system

		60W	80/100W	120/150W	200W	240W	300W	600W
Output	Rated Current	1400mA	2.7A	3.3A	4.1A	5A	3.13A(x2)	3.13A(x4)
	Rated Power	60.2W	97.2W	158.4W	196.8W	240W	150.W(x2)	150.W(x4)
	Ripple & Noise	300mVp-p	300mVp-p	300mVp-p	250mVp-p	250mVp-p	250mVp-p	250mVp-p
	Setup Time	500ms / 230VAC (Measured at cold first start)						
Input	Voltage Range	90 - 295VAC						
	Frequency Range	47 - 63Hz						
	Power Factor	>0.95	>0.96	>0.95	>0.95	>0.94	>0.95	>0.95
	THD	< 20%						
	Efficiency	89%	91%	93%	93%	93%	90%	90%
	AC Current	0.4A	0.5A	0.78A	1A	1.4A	0.9A(x2)	0.9A(x4)
	Max No. on 16A C/B	32 units	8 units	7 units	7 units	3 units	3 units	1 units
	Leakage Current	<0.75mA						
Protection	Over Current	Constant current limiting, recovers automatically after fault condition is removed						
	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed						
	Over Temperature	Shut down o/p voltage, recovers automatically after temperature goes down						
	Over Voltage	Shut down o/p voltage with auto-recovery or re-power on to recovery						
	EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11; EN61547, EN55024, light industry level(surge immunity:Line-Line:2KV)						
	Dimensions (mm)	Ø110x60	Ø130x66	Ø152x66	Ø132x66	Ø191x69	220x63x36	220x63x36

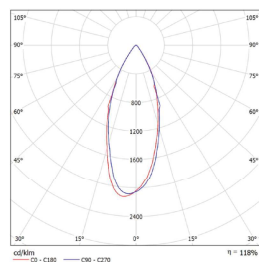
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DIMENSIONAL DATA

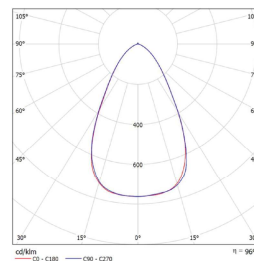


ILLUMINATION DATA

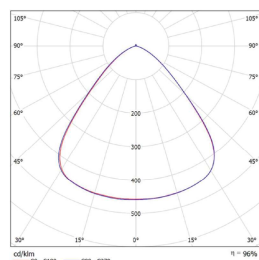
40 Degree



90 Degree



60 Degree



120 Degree

